Clayton Environmental Consultants, Inc.

P.O. Box 9019 • 1252 Quarry Lane • Pleasanton, CA 94566 • (415) 426-2600

April 22, 1988

APR 26 1988

Mr. Storm Goranson
Hazardous Materials Specialist
ALAMEDA COUNTY HEALTH AGENCY
Department of Environmental Health
470-27th. Street, Room 322
Oakland, California 94612

RE: The Old Tribune Garage

Clayton Project No. 45561-70

Dear Mr. Goranson:

The analytical results of soil sampling conducted at the old Tribune Garage are enclosed for your review. As we discussed in our recent telephone conversation, Clayton is proposing further investigative activities to characterize the extent of soil and/or groundwater contamination onsite. Clayton's scope of work is outlined below:

Task A: Project Management and Regulatory Liaison
Task B: Exploratory Boring and Soil Sampling
Task C: Groundwater Monitoring Well Construction
Task D: Groundwater Well Development and Sampling
Task E: Composite Sampling of Previously Excavated Material
Task F: Laboratory Analysis
Task G: Project Report

The detailed work plan will be submitted to you upon receiving authorization from the Tribune. Feel free to contact me if there are any questions or comments regarding this matter.

Sincerely
Cherie D'Andrea

Cherie D'Andrea
Assoc. Geologist

CDA/cm
Attachments

TABLE 1

Soil Sampling
Summary of Laboratory Analysis

Clayton Project No. 45561-70

Laboratory Batch No.	Date of Sampling	Sample Identification	Analysis Requested	Detected Concentrations TPH (ppm)	VOC (ppm)	O&G (ppm)	BTEX (ppm)
8802123	02/23/88	Gas @ 11'-fill	HOLD				
		Gas @ 11'-vent	HOLD				
		w/o* @ 9'-fill	HOLD				
		w/o* @ 9'-vent	O&G, TPH, VOC**	46	0.1-10	6000	---
8802128	02/24/88	Gas @ 12'-fill	TPH & BTEX#	4000	---	---	2.3-67
		Gas @ 12'-vent	TPH & BTEX	ND	---	---	0.1-0.7
		w/o @ 10'-fill	TPH, O&G, VOC	100	ND	2400	
		Excavation Pile	TPH	1100	---	---	---
8802150	02/26/88	West End Exca. @ 18-1/2'	TPH, BTEX	ND	---	---	0.04
		East End Exca. @ 18-1/2'	TPH, BTEX, O&G	ND	---	12,000	0.1-0.2
		East Exca @ 16'	O&G			2400	
880303	02/29/88	Drain Area @ 15'	O&G, TPH	5500 as Gas 1800 as Oil	--- ---	2100	--- ---
		Drain Area @ 13'	O&G, TPH	440 as Gas 510 as Oil	--- ---	610	--- ---

* Waste Oil
** Oil and Grease (O&G),
Total Petroleum Hydrocarbons (TPH), &
Volatile Organic Compounds (VOC)
Benzene, Toluene, Ethylbenzene & Xylene (BTEX)

Interoffice Correspondence

Laboratory Client Code No. 0368

Date: March 8, 1988

From: Hon-Tsing Su

To: Cherie D'Andrea

Office: Pleasanton

Office: Eng. Pleasanton

Subject: Oakland Tribune

Clayton Environmental Consultants, Inc.

Attached are the results of the following samples. The sample and analysis information is as follows:

Date Sample Received	Clayton Lab Batch No.	Client Sample I.D.	Client's Project No. or Site No.	Matrix	Analysis/ Method No.
02/24/88	8802123	W/O 9'(East)	45561-70	Soil	Total Hydrocarbons as gasoline and waste oil EPA 8015 Oil & Grease/ EPA 413.1 Purgeable Organics/ EPA 8240

A copy of the Chain of Custody is attached for your information. If you have any questions regarding this report, please do not hesitate to call.

HTS/pf
Attachment
L2269.REP

Approved by: Mary D. Beck

Mary D. Beck
Quality Assurance Supervisor

CLAYTON ENVIRONMENTAL CONSULTANTS, INC.

EPA METHOD 8015 - TOTAL PETROLEUM HYDROCARBONS BY MICRO EXTRACTION

Sample I.D.: W/O @ 9' (East) Lab No. 8802123-04

Samples Received: 02/24/88

Samples Analyzed: 03/01/88

Matrix: Soil

Total Hydrocarbons as	Concentration Milligrams/kg (ppm)	Detection Limits (ppm)
Gasoline (8015)	46	10
Diesel (8015)	NA	--
Oil (8015)	ND	100
Other Hydrocarbons*	NA	--

NA = Not Analyzed
ND = Not Detected

*Other hydrocarbons are defined as

L2269.REP

CLAYTON ENVIRONMENTAL CONSULTANTS, INC.

EXTRACTION LAB ANALYSIS

Method No. 413.1

Lab Batch No. 8802123

Samples Received: 02/24/88

Date Analyzed: 02/24/88

Sample Matrix: Soil

Batch Sub. No.	Sample Identification	Oil and Grease Concentration in mg/kg (ppm)
-04	W/O @ 9' (East)	6,000

ND = Not Detected

Detection Limits = 50 mg/kg

L2269.REP

ORGANICS ANALYSIS DATA SHEET

VOLATILE COMPOUNDS

CASE NO 8802123 LABORATORY CLAYTON LABS CONTRACT 0368
SAS NO _____ REPORTED 03/04/88 14:05 CUSTOMER OAK-TRIBUNE

LAB SAMP ID 880212304 SAMPLE ID W-0-9EAST
LAB QC ID _____ TYPE SAMPLE

DATA RELEASE AUTHORIZED BY

FILE NAME V880212304R RECEIVED 02/24/88 METHOD 8240
TUNE BFB030288 EXTRACTED 03/02/88 FRACTION VOA
STANDARD VCC030288 ANALYZED 03/03/88 09:48 INST FINN-1
BLANK VMB030288 VERIFIED _____ ANALYST EW-ALS

% MOISTURE _____ pH _____ LEVEL MED
(DECANTED) _____ CLEANUP _____ MATRIX SOIL
DIL FACTOR 1.000 EXTRACT METHOD _____ UNITS MG/KG

SAMPLE: 880212304/0368 5G)5MLS 200UL PURGED IN 5MLS
CONDITIONS: 45-3MIN-8/MIN-220
V880212304R

CODE	CAS NO	COMPOUND	TYPES	CONC	FLAGS
C010	74-87-3	Chloromethane		0.20	U
C015	74-83-9	Bromomethane		0.10	U
C020	75-01-4	Vinyl Chloride		0.10	U
C025	75-00-3	Chloroethane		0.20	U
C030	75-09-2	Methylene Chloride		0.30	U
C041	75-69-4	Trichlorofluoromethane		0.10	U
C045	75-35-4	1,1-Dichloroethene		0.10	U
C050	75-35-3	1,1-Dichloroethane		0.10	U
C055	156-60-5	1,2-Dichloroethene (TOTAL)		0.10	U
C060	67-66-3	Chloroform		0.10	U
C065	107-06-2	1,2-Dichloroethane		0.20	U
C115	71-55-6	1,1,1-Trichloroethane		0.10	U
C120	56-23-5	Carbon Tetrachloride		0.10	U
C130	75-27-4	Bromodichloromethane		0.10	U
C140	78-87-5	1,2-Dichloropropane		0.20	U
C145	10061-02-6	Cis-1,3-Dichloroproene		0.20	U
C150	79-01-6	Trichloroethene		0.50	U
C155	124-48-1	Dibromochloromethane		0.20	U
C160	79-00-5	1,1,2-Trichloroethane		0.20	U
C165	71-43-2	Benzene		0.27	
C170	10061-01-5	Trans-1,3-Dichloropropene		0.20	U
C175	110-75-8	2-Chloroethylvinylether		0.50	U
C180	75-25-2	Bromoform		0.20	U
C220	127-18-4	Tetrachloroethene		0.20	U
C225	79-34-5	1,1,2,2-Tetrachloroethane		0.30	U

ORGANICS ANALYSIS DATA SHEET

VOLATILE COMPOUNDS

CASE NO 8802123 LABORATORY CLAYTON LABS CONTRACT 0368
SAS NO _____ REPORTED 03/04/88 14:05 CUSTOMER OAK-TRIBUNE

CODE	CAS NO	COMPOUND	TYPES	CONC	FLAGS
C230	108-88-3	Toluene		0.11	B
C235	108-90-7	Chlorobenzene		0.10	U
C240	100-41-4	Ethylbenzene		2.10	
C250		Total Xylenes		10.00	
C335	541-73-1	1,3-Dichlorobenzene		0.30	U
C340	106-46-7	1,4-Dichlorobenzene		0.30	U
C350	95-50-1	1,2-Dichlorobenzene		0.30	U

Notes and summary data for this report.
B - Compound was detected in the QC blank.
U - Compound analyzed for but not detected. The reported value is the minimum attainable detection limit for the sample.

See page 1A for complete definitions of the data reporting qualifiers.

CHAIN OF CUSTODY

CLAYTON ENVIRONMENTAL CONSULTANTS

1 of 1

SAMPLERS: (Signature) Cherie D'Andrea
PHONE: 426-2629 (415)
ANALYTICAL LABORATORY

ATTN: Hoi Su
PHONE:
SHIPMENT SERVICE:
AIRBILL #:

CLIENT INFORMATION
CONTACT NAME: Cherie D'Andrea
COMPANY NAME: The Tribune
PHONE NO.: 415/645-2350
P.O./JOB#: 4536I-70
COMPANY ADDRESS: NO. CAL. ENGIN.

BILLING ADDRESS: ENGIN. DEPT.

Relinquished by: (Signature)	Received by: (Signature)	Date	Time
Cherie D'Andrea	Lacy B Cullen	2/24/88	9:00 am
Relinquished by: (Signature)	Received by: (Signature)	Date	Time

*Analysis laboratory should complete "Sample Condition Upon Receipt", section below, sign and return top copy to Clayton Environmental Consultants, Inc.; P.O. Box 9019, Pleasanton, California 94566

CLAYTON LAB BATCH # 8802123 LAB CLIENT CODE 0368

Dash #	Sample I.D.	Date Sampled	Matrix	Quant. (Dup.) Analysis ADD 8/25	Cont. Size	Pres.	Analysis Requested	Cond. Rec.d
-01	Gas @ 4' (Fill)	2/23/88	Soil		BC		HOLD	OK
-02	Gas @ 4' (Vent)						HOLD	
-03	W/O @ 4' (Fill)						HOLD	
-04	W/O @ 4' (east)			8240		2 week TAT	TPH gasoline TPH waste oil & Oil & Grease	

due 2/25/88 AM

TOTAL: [illegible] 2/24/88

24 HR T.A.T. on O+G only

CRC Lic: 10 ppm

BC=BRASS CORE
SSC=STAINLESS STEEL CORE
CuT=COPPER TUBE
SQ=WIDE MOUTH SQUAT JAR
FIL=FILTER
CAS=CASSETTE
CHT=CHARCOAL TUBE
SGT=SILICA GEL TUBE
WM=WIDE MOUTH
OVM=ORGANIC VAPOR MONITOR

CONDITIONS
HDSP=HEADSPACE
A/B=AIR BUBBLE

Interoffice Correspondence

Laboratory Client Code No. 0368

Date: March 8, 1988

To: Cherie D'Andrea

Office: Eng. Pleasanton

From: Hon-Tsing Su

Office: Pleasanton

Subject: Oakland Tribune

Clayton Environmental Consultants, Inc.

Attached are the results of the following samples. The sample and analysis information is as follows:

Date Sample Received	Clayton Lab Batch No.	Client Sample I.D.	Client's Project No. or Site No.	Matrix	Analysis/ Method No.
02/24/88	8802128	Gas @12'(Fill) Gas @12'(Vent) W/O @10'(Fill) Exc. Pile	45561-70	Soil	Total Hydrocarbons as Gasoline/EPA 8015 Purgeable Aromatics/EPA 8020, Purgeable Organics/EPA 8240 Oil and Grease/ EPA 413.1

A copy of the Chain of Custody is attached for your information. If you have any questions regarding this report, please do not hesitate to call.

HTS/ewq
Attachment
L2266.REP

Approved by: Mary D. Beck

Mary D. Beck
Quality Assurance Supervisor

CLAYTON ENVIRONMENTAL CONSULTANTS, INC.

EPA METHOD 8015 - TOTAL PETROLEUM HYDROCARBONS BY MICRO EXTRACTION

Sample I.D.: Gas @12'(Fill) Lab No. 8802128-01

Samples Received: 02/24/88

Samples Analyzed: 02/24/88

Matrix: Soil

Total Hydrocarbons as	Concentration Milligrams/kg (ppm)	Detection Limits (ppm)
Gasoline (8015)	4000	10
Diesel (8015)	ND	10
Oil (8015)	ND	100
Other Hydrocarbons*	NA	--

NA = Not Analyzed
ND = Not Detected

*Other hydrocarbons are defined as

CLAYTON ENVIRONMENTAL CONSULTANTS, INC.

EPA METHOD 8015 - TOTAL PETROLEUM HYDROCARBONS BY MICRO EXTRACTION

Sample I.D.: Gas @12'(Vent) Lab No. 8802128-02

Samples Received: 02/24/88

Samples Analyzed: 03/01/88

Matrix: Soil

Total Hydrocarbons as	Concentration Milligrams/kg (ppm)	Detection Limits (ppm)
Gasoline (8015)	ND	10
Diesel (8015)	ND	10
Oil (8015)	ND	100
Other Hydrocarbons*	NA	--

NA = Not Analyzed
ND = Not Detected

*Other hydrocarbons are defined as

CLAYTON ENVIRONMENTAL CONSULTANTS, INC.

EPA METHOD 8015 - TOTAL PETROLEUM HYDROCARBONS BY MICRO EXTRACTION

Sample I.D.: W/O @10'(Fill) Lab No. 8802128-03

Samples Received: 02/24/88

Samples Analyzed: 02/24/88

Matrix: Soil

Total Hydrocarbons as	Concentration Milligrams/kg (ppm)	Detection Limits (ppm)
Gasoline (8015)	100	10
Diesel (8015)	ND	10
Oil (8015)	ND	100
Other Hydrocarbons*	NA	--

NA = Not Analyzed
ND = Not Detected

*Other hydrocarbons are defined as

CLAYTON ENVIRONMENTAL CONSULTANTS, INC.

EPA METHOD 8015 - TOTAL PETROLEUM HYDROCARBONS BY MICRO EXTRACTION

Sample I.D.: Exc. Pile Lab No. 8802128-04

Samples Received: 02/24/88

Samples Analyzed: 02/24/88

Matrix: Soil

Total Hydrocarbons as	Concentration Milligrams/kg (ppm)	Detection Limits (ppm)
Gasoline (8015)	1100	10
Diesel (8015)	ND	10
Oil (8015)	ND	100
Other Hydrocarbons*	NA	--

NA = Not Analyzed
ND = Not Detected

*Other hydrocarbons are defined as

CLAYTON ENVIRONMENTAL CONSULTANTS, INC.

EPA METHOD 8020
PURGEABLE AROMATICS

Sample I.D.: Gas @12'(Fill) Lab No. 8802128-01

Samples Received: 02/24/88

Samples Analyzed: 02/26/88

Sample Matrix: Soil Detection Limit Factor = 10

Compound	Concentration mg/kg (ppm)
Benzene	2.3
Chlorobenzene	ND
1,2-Dichlorobenzene	ND
1,3-Dichlorobenzene	ND
1,4-Dichlorobenzene	ND
Ethylbenzene	5.6
Toluene	17
Xylenes	67

ND = Not Detected

#0368

CLAYTON ENVIRONMENTAL CONSULTANTS, INC.

EPA METHOD 8020
PURGEABLE AROMATICS

Sample I.D.: Gas @12'(Vent) Lab No. 8802128-02

Samples Received: 02/24/88

Samples Analyzed: 02/26/88

Sample Matrix: Soil Detection Limit Factor = 1

Compound	Concentration mg/kg (ppm)
Benzene	0.1
Chlorobenzene	ND
1,2-Dichlorobenzene	ND
1,3-Dichlorobenzene	ND
1,4-Dichlorobenzene	ND
Ethylbenzene	0.2
Toluene	ND
Xylenes	0.7

ND = Not Detected

L2266.REP

CLAYTON ENVIRONMENTAL CONSULTANTS, INC.

EPA METHOD 8020
PURGEABLE AROMATICS

DETECTION LIMITS

DETECTION LIMITS = Detection Limit Factor X Concentration

Sample Preparation: 10 g sample dispersed into 10 mL methanol

Sample Analysis: 50 uL methanol extract purged in 5 mL water

Compound	Concentration mg/kg (ppm)
Benzene	0.04
Chlorobenzene	0.03
1,2-Dichlorobenzene	0.05
1,3-Dichlorobenzene	0.03
1,4-Dichlorobenzene	0.05
Ethylbenzene	0.03
Toluene	0.02
Xylenes	0.04

ORGANICS ANALYSIS DATA SHEET

VOLATILE COMPOUNDS

CASE NO 8802128 LABORATORY CLAYTON LABS CONTRACT 0368
SAS NO _____ REPORTED 03/04/88 14:16 CUSTOMER OAK-TRIBUNE

LAB SAMP ID 880212803 SAMPLE ID W-0-10FILL
LAB QC ID _____ TYPE SAMPLE

DATA RELEASE AUTHORIZED BY _____

FILE NAME V880212803R RECEIVED 02/24/88 METHOD 8240
TUNE BFB030288 EXTRACTED _____ FRACTION VOA
STANDARD VCC030288 ANALYZED 03/03/88 08:59 INST FINN-1
BLANK VMB030288 VERIFIED _____ ANALYST EW-ALS

% MOISTURE _____ pH _____ LEVEL MED
(DECANTED) _____ CLEANUP _____ MATRIX SOIL
DIL FACTOR 1.000 EXTRACT METHOD _____ UNITS UG/KG

SAMPLE: 880212803/0386 5G>5ML 200UL PURGED IN 5MLS
CONDITIONS: 45-3MIN-8/MIN-220
V880212803R

CODE	CAS NO	COMPOUND	TYPES	CONC	FLAGS
C010	74-87-3	Chloromethane		0.20	U
C015	74-83-9	Bromomethane		0.10	U
C020	75-01-4	Vinyl Chloride		0.10	U
C025	75-00-3	Chloroethane		0.20	U
C030	75-09-2	Methylene Chloride		0.30	U
C041	75-69-4	Trichlorofluoromethane		0.10	U
C045	75-35-4	1,1-Dichloroethene		0.10	U
C050	75-35-3	1,1-Dichloroethane		0.10	U
C055	156-60-5	1,2-Dichloroethene (TOTAL)		0.10	U
C060	67-66-3	Chloroform		0.10	U
C065	107-06-2	1,2-Dichloroethane		0.20	U
C115	71-55-6	1,1,1-Trichloroethane		0.10	U
C120	56-23-5	Carbon Tetrachloride		0.10	U
C130	75-27-4	Bromodichloromethane		0.10	U
C140	78-87-5	1,2-Dichloropropane		0.20	U
C145	10061-02-6	Cis-1,3-Dichloroproene		0.20	U
C150	79-01-6	Trichloroethene		0.50	U
C155	124-48-1	Dibromochloromethane		0.20	U
C160	79-00-5	1,1,2-Trichloroethane		0.20	U
C165	71-43-2	Benzene		0.10	U
C170	10061-01-5	Trans-1,3-Dichloropropene		0.20	U
C175	110-75-8	2-Chloroethylvinylether		0.50	U
C180	75-25-2	Bromoform		0.20	U
C220	127-18-4	Tetrachloroethene		0.20	U
C225	79-34-5	1,1,2,2-Tetrachloroethane		0.30	U

8802128 05

ORGANICS ANALYSIS DATA SHEET

VOLATILE COMPOUNDS

CASE NO 8802128 SAS NO _____ LABORATORY CLAYTON LABS REPORTED 03/04/88 14:16 CONTRACT 0368 CUSTOMER OAK-TRIBUNE

CODE	CAS NO	COMPOUND	TYPES	CONC	FLAGS
C230	108-88-3	Toluene		0.10	BU
C235	108-90-7	Chlorobenzene		0.10	U
C240	100-41-4	Ethylbenzene		0.30	U
C250		Total Xylenes		0.20	U
C335	541-73-1	1,3-Dichlorobenzene		0.30	U
C340	106-46-7	1,4-Dichlorobenzene		0.30	U
C350	95-50-1	1,2-Dichlorobenzene		0.30	U

Notes and summary data for this report.
B - Compound was detected in the QC blank.
U - Compound analyzed for but not detected. The reported value is the minimum attainable detection limit for the sample.

See page 1A for complete definitions of the data reporting qualifiers.

#0368

CLAYTON ENVIRONMENTAL CONSULTANTS, INC.

EXTRCTION LAB ANALYSIS

Method No. 413.1

Lab Batch No. 8802128

Samples Received: 02/24/88

Date Analyzed: 03/01/88

Sample Matrix: Soil

Batch Sub. No.	Sample Identification	Oil & Grease Concentration in mg/kg (ppm)
-03	W/O @10'(Fill)	2,400

ND = Not Detected

Detection Limits = 50 mg/kg

L2266.REP

CHAIN OF CUSTODY

CLAYTON ENVIRONMENTAL CONSULTANTS

SAMPLERS: (Signature) Cherie D'Andrea

PHONE: 426-2629

ANALYTICAL LABORATORY Clayton

ATTN: Hon Su

PHONE:

SHIPMENT SERVICE:

AIRBILL #:

CLIENT INFORMATION

CONTACT NAME: Cherie D'Andrea

COMPANY NAME: The Tribune

PHONE NO.: 415/645-2380

P.O./JOB#: 45561-70

COMPANY ADDRESS: NO. CAL ENGIN.

BILLING ADDRESS: NO CAL ENGIN. DEPT.

Relinquished by: (Signature)	Received by: (Signature)	Date	Time
Cherie D'Andrea	Tracy Rutland	2/24/88	1:10pm
Relinquished by: (Signature)	Received by: (Signature)	Date	Time

*Analysis laboratory should complete "Sample Condition Upon Receipt", section below, sign and return top copy to Clayton Environmental Consultants, Inc., P.O. Box 9019, Pleasanton, California 94566

CLAYTON LAB BATCH # 8802128 LAB CLIENT CODE 0368

Dash #	Sample I.D.	Date Sampled	Matrix	Quan. (Dup.) ADD 3/25 Analyte	Cont. Size	Pres.	Analysis Requested	Cond. Rec.d
		2/24/88	Soil	BTEX	BC			
-01	GW@12'(Fill)					-01 RUSH	TPH as Gasoline & BTEX	OK
-02	GW@12' (vent)					-02 TPH & BTEX 2WK	2wk. T.A.T. (+BTEX)	
-03	W.G.@10'(Fill)			O&G		RUSH	TPH as gasoline & BTEX	
-04	Exc. Pile					RUSH	TPH as Gas & Waste Oil	

24 HR T.A.T.

dw 2/24/88 pm

Received: dw 2/24/88 1:25pm

BC=BRASS CORE
SSC=STAINLESS STEEL CORE
CuT=COPPER TUBE
SQ=WIDE MOUTH SQUAT JAR

FIL=FILTER
CAS=CASSETTE
CHT=CHARCOAL TUBE
SGT=SILICA GEL TUBE

WM=WIDE MOUTH
OVM=ORGANIC VAPOR MONITOR

CONDITIONS

HDSP=HEADSPACE
A/B=AIR BUBBLE

Interoffice Correspondence

Laboratory Client Code No. 0368

Date: March 18, 1988

From: Hon-Tsing Su

To: Cherie D'Andrea

Office: Pleasanton

Office: Eng. Pleasanton

Subject: Oakland Tribune

Clayton Environmental Consultants, Inc.

Attached are the results of the following samples. The sample and analysis information is as follows:

Date Sample Received	Clayton Lab Batch No.	Client Sample I.D.	Client's Project No. or Site No.	Matrix	Analysis/ Method No.
02/29/88	8802150	West 18-1/2' East 16'	45561-70	Soil	Total Hydrocarbons as gasoline and Waste Oil/ EPA 8015 BTEX/EPA 8020 Oil & Grease/ EPA 413.1

A copy of the Chain of Custody is attached for your information. If you have any questions regarding this report, please do not hesitate to call.

HTS/pf
Attachment
L2296.REP

Approved by: Mary D. Beck

Mary D. Beck
Quality Assurance Manager

CLAYTON ENVIRONMENTAL CONSULTANTS, INC.

EPA METHOD 8015 - TOTAL PETROLEUM HYDROCARBONS BY MICRO EXTRACTION

Sample I.D.: West 18-1/2' Lab No. 8802150-01

Samples Received: 02/29/88

Samples Analyzed: 03/04/88

Matrix: Soil

Total Hydrocarbons as	Concentration Milligrams/kg (ppm)	Detection Limits (ppm)
Gasoline (8015)	ND	10
Diesel (8015)	NA	--
Oil (8015)	ND	50
Other Hydrocarbons*	NA	--

ND = Not Detected
NA = Not Analyzed

*Other hydrocarbons are defined as

CLAYTON ENVIRONMENTAL CONSULTANTS, INC.

EPA METHOD 8015 - TOTAL PETROLEUM HYDROCARBONS BY MICRO EXTRACTION

Sample I.D.: East 18-1/2' Lab No. 8802150-02

Samples Received: 02/29/88

Samples Analyzed: 03/04/88

Matrix: Soil

Total Hydrocarbons as	Concentration Milligrams/kg (ppm)	Detection Limits (ppm)
Gasoline (8015)	ND**	10
Diesel (8015)	NA	--
Oil (8015)	ND	50
Other Hydrocarbons*	NA	--

ND = Not Detected
NA = Not Analyzed

*Other hydrocarbons are defined as

** = Gasoline present is sample at level below reporting limit (~ 8 ppm)

CLAYTON ENVIRONMENTAL CONSULTANTS, INC.

EPA METHOD 8020
PURGEABLE AROMATICS

Sample I.D.: West 18-1/2' Lab No. 8802150-01

Samples Received: 02/29/88

Samples Analyzed: 03/04/88

Sample Matrix: Soil Detection Limit Factor = 1

Compound	Concentration mg/kg (ppm)
Benzene	ND
Chlorobenzene	ND
1,2-Dichlorobenzene	ND
1,3-Dichlorobenzene	ND
1,4-Dichlorobenzene	ND
Ethylbenzene	ND
Toluene	0.04
Xylenes	ND

ND = Not Detected

CLAYTON ENVIRONMENTAL CONSULTANTS, INC.

EPA METHOD 8020
PURGEABLE AROMATICS

Sample I.D.: East 18-1/2' Lab No. 8802150-02

Samples Received: 02/29/88

Samples Analyzed: 03/04/88

Sample Matrix: Soil Detection Limit Factor = 1

Compound	Concentration mg/kg (ppm)
Benzene	ND
Chlorobenzene	ND
1,2-Dichlorobenzene	ND
1,3-Dichlorobenzene	ND
1,4-Dichlorobenzene	ND
Ethylbenzene	0.1
Toluene	0.06
Xylenes	0.2

ND = Not Detected

CLAYTON ENVIRONMENTAL CONSULTANTS, INC.

EPA METHOD 8020
PURGEABLE AROMATICS

DETECTION LIMITS

DETECTION LIMITS = Detection Limit Factor X Concentration

Sample Preparation: 10 g sample dispersed into 10 mL methanol

Sample Analysis: 50 uL methanol extract purged in 5 mL water

Compound	Concentration mg/kg (ppm)
Benzene	0.04
Chlorobenzene	0.03
1,2-Dichlorobenzene	0.05
1,3-Dichlorobenzene	0.03
1,4-Dichlorobenzene	0.05
Ethylbenzene	0.03
Toluene	0.02
Xylenes	0.04

#0368

CLAYTON ENVIRONMENTAL CONSULTANTS, INC.

EXTRACTION LAB ANALYSIS

Method No. 413.1

Lab Batch No. 8802150

Samples Received: 02/29/88

Date Analyzed: 03/01/88

Sample Matrix: Soil

Batch Sub. No.	Sample Identification	Oil and Grease Concentration in ppm
-02	East 18-1/2'	12,000

ND = Not Detected

Detection Limits = 50 ppm

L2296.REP

CHAIN OF CUSTODY

8802150 CLAYTON ENVIRONMENTAL CONSULTANTS

SAMPLERS: (Signature) Cherie D'Andrea

PHONE: 426-2629

ANALYTICAL LABORATORY

ATTN: Hon SU

PHONE:

SHIPMENT SERVICE:

AIRBILL #:

CLIENT INFORMATION

CONTACT NAME: Cherie D'Andrea

COMPANY NAME: The Tribune

PHONE NO.: 645-2380

P.O./JOB#: 45561-70

COMPANY ADDRESS: No Calif Engineering

BILLING ADDRESS: No. Calif Engineering

Relinquished by: (Signature)	Received by: (Signature)	Date	Time
Cherie D'Andrea	Molly Boyd	2/29/88	11:45 am
Relinquished by: (Signature)	Received by: (Signature)	Date	Time

*Analysis laboratory should complete "Sample Condition Upon Receipt", section below, sign and return top copy to Clayton Environmental Consultants, Inc., P.O. Box 9019, Pleasanton, California 94566

CLAYTON LAB BATCH # 8802150 LAB CLIENT CODE 0368

Dash #	Sample I.D.	Date Sampled	Matrix	Quan. (Dup.)	Cont. Size	Pres.	Analysis Requested	Cond. Rec.d
-01	West, 18½'	2/26/88	Soil		BC		TPH as Gas & Oil Plus BTEX	✓
-02	East, 18½'	"	"		BC		TPH as Gas & Oil BTEX as Oil & Grease	"
-03	East, 16'	"	"		BC		HOLD	"
		1 week turnaround time at this week T.A.T prices 2/29/88 OK by Hon						

BC=BRASS CORE
SSC=STAINLESS STEEL CORE
CuT=COPPER TUBE
SQ=WIDE MOUTH SQUAT JAR

FIL=FILTER
CAS=CASSETTE
CHT=CHARCOAL TUBE
SGT=SILICA GEL TUBE

WM=WIDE MOUTH
OVM=ORGANIC VAPOR MONITOR

CONDITIONS

HDSP=HEADSPACE
A/B=AIR BUBBLE

Interoffice Correspondence

Laboratory Client Code No. 0368

Date: March 31, 1988

To: Cherie D'Andrea

Office: Eng. Pleasanton

From: Hon-Tsing Su

Office: Pleasanton

Subject: Oakland Tribune

Clayton Environmental Consultants, Inc.

Attached are the results of the following samples. The sample and analysis information is as follows:

Date Sample Received	Clayton Lab Batch No.	Client Sample I.D.	Client's Project No. or Site No.	Matrix	Analysis/ Method No.
03/01/88	880303	Drain Area 15' Drain Area 13'	45561-70	Soil	Oil & Grease/ EPA 413.1 Total Hydrocarbons/ EPA 8015

A copy of the Chain of Custody is attached for your information. If you have any questions regarding this report, please do not hesitate to call.

HTS/ewq
Attachment
L2302.REP

Approved by: Mary D. Beck

Mary D. Beck
Quality Assurance Supervisor

#0368

CLAYTON ENVIRONMENTAL CONSULTANTS, INC.

EXTRACTION LAB ANALYSIS

Method No. 413.1

Lab Batch No. 880303

Samples Received: 03/01/88

Date Analyzed: 03/04/88

Sample Matrix: Soil

Batch Sub. No.	Sample Identification	Oil & Grease Concentration in mg/kg (ppm)
-01	Drain Area 15'	2100
-02	Drain Area 13'	610

ND = Not Detected

Detection Limits = 50 mg/kg

L2302.REP

CLAYTON ENVIRONMENTAL CONSULTANTS, INC.

EPA METHOD 8015 - TOTAL PETROLEUM HYDROCARBONS BY MICRO EXTRACTION

Sample I.D.: Drain Area 15' Lab No. 880303-01

Samples Received: 03/01/88

Samples Analyzed: 03/23/88

Matrix: Soil

Total Hydrocarbons as	Concentration Milligrams/kg (ppm)	Detection Limits (ppm)
Gasoline (8015)	5500	100
Diesel (8015)	ND	100
Oil (8015)1	1800	700
Other Hydrocarbons*	NA	--

ND = Not Detected
NA = Not Analyzed

*Other hydrocarbons are defined as

#0368

CLAYTON ENVIRONMENTAL CONSULTANTS, INC.

EPA METHOD 8015 - TOTAL PETROLEUM HYDROCARBONS BY MICRO EXTRACTION

Sample I.D.: Drain Area 13' Lab No. 880303-02

Samples Received: 03/01/88

Samples Analyzed: 03/23/88

Matrix: Soil

Total Hydrocarbons as	Concentration Milligrams/kg (ppm)	Detection Limits (ppm)
Gasoline (8015)	440	10
Diesel (8015)	ND	10
Oil (8015)	510	70
Other Hydrocarbons*	NA	--

ND = Not Detected
NA = Not Analyzed

*Other hydrocarbons are defined as

CHAIN OF CUSTODY

CLAYTON ENVIRONMENTAL CONSULTANTS

SAMPLERS: (Signature) Cherie D'Andrea

PHONE: 426-2629

ANALYTICAL LABORATORY Clayton

ATTN: H2i SU

PHONE:

SHIPMENT SERVICE:

AIRBILL #:

CLIENT INFORMATION

CONTACT NAME: Cherie D'Andrea

COMPANY NAME: The Tribune

PHONE NO.:

P.O./JOB#: 45561-70

COMPANY ADDRESS: No. Cal. Eng

BILLING ADDRESS: NA Cal Eng

Relinquished by: (Signature)	Received by: (Signature)	Date	Time
Cherie D'Andrea	[signature]	3/1/88	11:00AM
Relinquished by: (Signature)	Received by: (Signature)	Date	Time

*Analysis laboratory should complete "Sample Condition Upon Receipt", section below, sign and return top copy to Clayton Environmental Consultants, Inc., P.O. Box 9019, Pleasanton, California 94566

CLAYTON LAB BATCH # 880303 LAB CLIENT CODE 036

Dash #	Sample I.D.	Date Sampled	Matrix	Quan. (Dup.)	Cont. Size	Pres.	Analysis Requested	Cond. Rec.d
-D1	Drain Area 15'	2/29/88	Soil	1	BC		Oil & Grease	ok
-D2	Drain Area 13'	"	Soil	1	BC		~~8240~~	"

Changed Analysis from 8240 to GRC/TPH gasoline, DIESEL, WASTE OIL 10 ppm CD 3/21/88

BC=BRASS CORE
SSC=STAINLESS STEEL CORE
CuT=COPPER TUBE
SQ=WIDE MOUTH SQUAT JAR

FIL=FILTER
CAS=CASSETTE
CHT=CHARCOAL TUBE
SGT=SILICA GEL TUBE

WM=WIDE MOUTH
OVM=ORGANIC VAPOR MONITOR

CONDITIONS

HDSP=HEADSPACE
A/B=AIR BUBBLE